

Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.

1.9
3524W

UNITED STATES DEPARTMENT OF THE INTERIOR, STEWART L. UDALL, SECRETARY
Stanly A. Cain, Assistant Secretary for Fish and Wildlife and Parks
Fish and Wildlife Service, Clarence F. Pautzke, Commissioner
Bureau of Sport Fisheries and Wildlife, John S. Gottschalk, Director
Washington, D.C. 20240

NATIONAL AGRICULTURAL LIBRARY

Wildlife Leaflet 470

August 1965

NOV 30 1965

BIG GAME INVENTORY FOR 1964

Compiled in the Bird and Mammal Laboratories
Division of Wildlife Research

This inventory for 1964 summarizes the kill and population data provided by the 48 States reporting. This is the best information available on the abundance of big game species, but it should be stressed that population figures reported herein are estimates only, in most cases. In view of this, the practice continues for some States to report only an indication of trend, rather than an estimate of total abundance of a species. This serves as a rough index--showing whether a species has increased, decreased, or remained relatively constant in a particular area during the year.

The total kill of all species in 1964 was 2.5% above that of 1963. Of the principal game mammals, the take of black bear was up 11.6% above 1963, grizzly bear up 16.8%, moose up 11.9%, elk up 11.3%, mule deer up 9.5%, barren-ground caribou up 16%, and bighorn sheep up 72%; the take of white-tailed deer was down 3% below 1963, black-tailed deer down 0.1%, pronghorn antelope down 3%, peccary down 8.9%, mountain goat down 1.5%, and American bison down 14.3%. The take of wild turkey increased by 9.7%.

Assembly of information for the 1964 big game inventory has been possible through the cooperation of the State game departments, the National Park Service, the National Wildlife Refuges, and the regional offices of the Bureau of Sport Fisheries and Wildlife, to whom we express our sincere thanks.

The United States Department of the Interior, created in 1849, is concerned with management, conservation, and development of the Nation's water, wildlife, fish, mineral, forest, and park and recreational resources. It has major responsibilities also for Indian and Territorial affairs.

As America's principal conservation agency, the Department works to assure that nonrenewable resources are developed and used wisely, that park and recreational resources are conserved for the future, and that renewable resources make their full contribution to the progress, prosperity, and security of the United States, now and in the future.

PART 1.--Species Reported by Western and Eastern States, 1964

STATE	MOOSE		ELK		WHITE-TAILED DEER		BLACK BEAR		WILD TURKEY	
	Kill	Pop.Est.	Kill	Pop.Est.	Kill	Pop.Est.	Kill	Pop.Est.	Kill	Pop.Est.
Alabama.....	15,120 BCG	154,480 BCF	.....	.....	7,000 BCG	86,956 BCF
Alaska.....	8,770 D	.....	85 BC	.....	.....	.....	1,100 C	.....	.....	.....
Arizona.....	1,176 F	7,500 M	4,389 F	30,000 S	245 F	1,600 S	1,722 F	30,000 S
Arkansas*
California.....	137 D	2,800 S	.....	.....	670 D	.....S	NOS	3,000 M
Colorado.....	14,975 D	.....M	.....	.....	672 D	.....L	624 D	.....S
Connecticut.....	552 DG	7,000 S	.....	.....	.....	.....
Delaware.....	791 A	3,000 S	.....	.....	.....	.....
Florida.....	20,300 F	150,000 M	.....	.....	28,600 F	80,000 M
Georgia.....	21,000 F	200,000 M	25 C	2,000 L	6,700 F	70,000 L
Hawaii.....	NOS	1,500 M
Idaho 1/.....	59 D	.....S	13,835 F	.....L	.....	.....	3,499 F	.....S	NOS	.....M
Illinois.....	7,087 AF	.....S	.....	.....	.....	.....
Indiana.....	6,000 D	50,000 M	.....	.....	.....	.....
Iowa.....	9,600 D	26,000 M	.....	.....	.....	.....
Kansas.....	NOS	20,500	.....	.....	NOS	200
Kentucky.....	3,839 AD	60,000 S	.....	.....	15 B	2,100 S
Louisiana*
Maine.....	NOS	.....	.....	.....	35,305 A	.....M	1,600 F	.....M	.....	.....
Maryland.....	11,146 A	39,800 M	NOS	.....	.....	.....
Massachusetts.....	2,277 D	10,000 L	.....	.....	NOS	75 S
Michigan.....	NOS	40	269 A	2,500	143,000 F	610,000	1,050 F	4,000	NOS	2,700
Minnesota 2/.....	NOS	7,000 S	NOS	23 S	123,284 FD	800,000 M	223 D	2,000 S	NOS	50 S
Mississippi.....	21,000 ABCD	180,000 M	.....	.....	2,920 BC	40,000 M
Missouri.....	21,000 AD	320,000	NOS	25	476 AD	8,000
Montana.....	480 F	.....	11,250 F	.....	20,220 F	.....	1,500 F	.....	640 F	.....
Nebraska.....	5,464 A	45,000 M	.....	.....	911 A	5,600 M
Nevada.....	7 D	260 S	.....	.....	NOS	25	NOS	350 M
New Hampshire 3/.....	NOS	85 S	NOS	2 L	8,586 D	42,500 S	116 D	900 S	.....	.....
New Jersey.....	8,043 A	50,000	2	20	.....	.....
New Mexico.....	1,612 D	.....M	300 D	.....S	200 D	.....S	1,700 D	.....M
New York.....	59,872 AD	375,000 M	469 AD	4,000 S	.....	.....
North Carolina.....	39,792 F	300,000 M	627 F	10,000 S	1,000	10,000 S
North Dakota.....	24,209 F	80,000 M	.....	.....	198 F	2,000 S
Ohio 4/.....	2,036 ADG	10,000 S	.....	.....	.....	.....
Oklahoma.....	3,420 A	40,000 M	.....	.....	1,500 DF	38,000 M
Oregon.....	17,157 F	.....S	.....	.....M	2,000 C	.....S	.....	.....
Pennsylvania.....	NOS	75 S	91,134 D	600,000 M	526 D	1,400 M	13,679 C	50,000 S
Rhode Island.....	27 D	1,200 S	.....	.....	.....	.....
South Carolina.....	20,000 ACF	100,000 M	15	50 S	2,650 ACF	25,000 S
South Dakota.....	NOS	350	6,900 D	67,000	.....	.....	510 CD	10,000
Tennessee.....	5,600 AD	75,000 M	9 AD	400 M	187 AD	4,000 M
Texas.....	10	350 S	194,531 BCDE	2,250,000 M	1 B	200 S	14,345	250,000 M
Utah.....	8 D	115 S	1,033 D	5,000 S	.....	.....	.....	200 S	81 D	.....M
Vermont.....	14,502 D	175,000 S	334 D	3,500 S	.....	.....
Virginia.....	NOS	100 S	31,161 A	180,000 L	259 A	1,200 S	3,266 A	15,000 M
Washington.....	10,600 F	47,000 M	8,000 F	55,000 L	8,100 F	25,000 S	NOS	700 M
West Virginia.....	9,474 AD	100,000 M	64 A	550 S	1,209 A	4,500 S
Wisconsin.....	50 M	.....	.....	96,609 A	515,000 M	511 A	6,000 LS	.....	1,200 M
Wyoming 5/.....	819 AF	.....M	12,163 F	.....M	.....	.....S	370 AF	.....M	1,235 F	.....M
TOTAL.....	10,136	X	84,309	X	1,095,570	X	24,187	X	91,168	X

1/ Idaho: White-tailed deer combined with mule deer
2/ Minnesota: Mule deer combined with white-tailed deer
3/ New Hampshire: Includes 529 accidental 471 unreported

4/ Ohio: Includes 710 accident
5/ Wyoming: White-tailed deer combined with mule deer
NOS - No open season
* States with asterisks gave no report

PART 2.--Foreign Species, 1964

STATE	EUROPEAN WILD BOAR		BARBARY SHEEP	
	Kill	Pop. Est.	Kill	Pop. Est.
California.....	600 C	.....M	50 C	500 M
New Hampshire.....	12 BC	15 M	.....	.....
New Mexico.....	.....	.....	NOS	.....M
North Carolina.....	38 A	300 S	.....	.....
Tennessee.....	90 AD	1,500 M	.....	.....
Texas.....	.....	.....	13	250 S
TOTAL.....	740	X	63	X

Determination of Kill: Methods used by game wardens and technicians

- A. Checking stations
- B. Interviews
- C. General field observations
- State Central Office methods
- D. License stubs or card returns
- E. Ranchers' coupons
- F. Questionnaire to license holders

Population Trend:

- L. - less
- M. - more
- S. - same

PART 3.--Species Reported by Western States Only, 1964

STATE	GRIZZLY BEAR		MULE DEER		BLACK-TAILED DEER		PRONGHORN ANTELOPE		MOUNTAIN CARIBOU	
	Kill	Pop. Est.	Kill	Pop. Est.	Kill	Pop. Est.	Kill	Pop. Est.	Kill	Pop. Est.
Alaska.....	623 H	.....	.....	.....	10,000 B	.....	.....	.....	.....	.....
Arizona.....	.....	.....	15,224 AF	175,000 L	.....	.....	844 F	10,000 S	.....	.....
California....	.....	.....	28,556 D	.....M	43,477 D	.....M	183 D	2,468 S	.....	.....
Colorado.....	.....	.....	118,840 D	.....S	.....	.....	4,885 D	.....S	.....	.....
Hawaii.....	.....	.....	.....	.....	NOS	60 M	NOS	150 M	.....	.....
Idaho.....	NOS	...S	67,379 F	.....S	.....	.....	839 D	.....M	NOS	...S
Kansas.....	.....	.....	NOS	4,500	.....	.....	NOS	145	.....	.....
Minnesota.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montana.....	40 F	.....	87,150 F	.....	.....	.....	27,000 F	.....	.....	.....
Nebraska.....	.....	.....	8,349 A	45,000 M	.....	.....	1,090 A	8,000 S	.....	.....
Nevada.....	.....	.....	22,022 D	230,000 S	.....	.....	204 D	3,175 S	.....	.....
New Mexico....	.....	.....	26,364 D	.....M	.....	.....	859 A	.....	.....	.....
North Dakota..	.....	.....	2,938 F	25,000 M	.....	.....	3,510 F	10,000 M	.....	.....
Oklahoma.....	.....	.....	48 A	1,000 M	.....	.....	.....	.....	.....	.....
Oregon.....	.....	.....	84,665 F	.....S	58,358 F	.....M	378 D	.....S	.....	.....
South Dakota..	.....	.....	4,400 D	33,000	.....	.....	6,050 D	25,000 S	.....	.....
Texas.....	.....	.....	8,246 BCE	100,000 M	.....	.....	691 E	8,000 L	.....	.....
Utah.....	.....	.....	115,600 ACF	325,000 S	.....	.....	56 D	1,500 S	.....	.....
Washington....	.....	10 S	27,000 F	175,000 L	41,000 F	230,000 L	NOS	.....	NOS	15 S
Wyoming 1/...	10 AF	...S	68,541 F	.....S	.....	.....	28,945 F	.....L	.....	.....
Total.....	673	X	685,322	X	152,835	X	75,534	X	.....	X

STATE	PECCARY (JAVELINA)		BIGHORN SHEEP		MOUNTAIN GOAT		AMERICAN BISON		ADDITIONAL SPECIES	
	Kill	Pop. Est.	Kill	Pop. Est.	Kill	Pop. Est.	Kill	Pop. Est.	Kill	Pop. Est.
Alaska.....	.....	.....	938 D	.....	600 C	.....	34 A	.....	Alaska	.....
Arizona.....	5,231 F	20,000 L	25 A	2,600 S	.....	.....	130	375 L	Polar bear.....	251 H
California....	.....	.....	NOS	2,000 S	.....	.....	.....	.....	Dall sheep.....	938 D
Colorado.....	.....	.....	59 D	.....S	4 D	.....M	.....	.....	Barren ground caribou	25,000 C
Idaho.....	.....	.....	35 D	.....S	161 D	.....S	NOS	.....S	Hawaii	.....
Montana.....	.....	.....	70 F	.....	430 F	.....	NOS	.....	Axis deer	1,000 ABC
Nevada.....	NOS	.....	6 D	2,515 S	NOS	5 M	NOS	.....	Hawaiian wild boar...	10,000 BCD
New Mexico....	91 A	.....S	NOS	.....M	.....	.....	.....	.....	Feral goat *.....	5,000 ABCD
North Dakota..	.....	.....	NOS	50 M	.....	.....	.....	.....	Feral sheep.....	500 ABD
South Dakota..	.....	.....	NOS	15 C	NOS	250 C	.....	.....	Feral cattle.....	20 BC
Texas.....	1,300 BC	125,000 S	NOS	.....M	.....	.....	25 E	200 S	Mouflon sheep.....	21 A
Utah.....	.....	.....	NOS	100 M	.....	.....	NOS	60 S		
Washington....	.....	.....	NOS	93 M	350 D	7,000 M	.....	.....
Wyoming.....	.....	.....	109 F	.....M	NOS	.....M	NOS	.....M		
Total.....	6,622	X	1,242	X	1,545	X	189	X	* Excludes National Parks	
										1/ Wyoming: White-tailed deer combined with mule deer.

PART 4.--Estimates of Numbers on State Parks and Refuges, 1964

AREA	ELK	WHITE-TAILED DEER	MULE DEER	BLACK BEAR	PRONGHORN ANTELOPE	BIGHORN SHEEP	AMERICAN BISON	WILD TURKEY
State Parks and Refuges								
Arkansas **.....	...	.....	...	..	...	..	.....	...
California.....	32	.....	...	..	...	..	.....	...
Connecticut.....	...	25	...	..	...	..	.....	...
Florida.....	...	50,000	...	..	...	..	.....	...
Indiana.....	...	25	...	..	...	..	.....	...
Kansas.....	43	.....	...	..	...	..	380	...
Minnesota.....	...	115	...	..	...	..	.....	...
Mississippi.....	...	1,250	...	..	...	..	.....	250
Nebraska.....	...	35 (1963)	20 (1963)	..	...	..	.....	...
New Hampshire..	...	40	...	..	...	..	.....	...
North Dakota..	...	25	...	..	...	..	.....	...
South Dakota..	500	600	200	5	250	35	1,200	300
Texas.....	...	.....	...	..	...	23	.....	...
Washington....	...	.....	...	..	...	17	15	...
West Virginia..	...	5,000	...	..	...	..	.....	75
Wisconsin.....	...	.....	...	..	...	..	16	...
Wyoming.....	...	.....	...	..	...	..	1,800	...
Total.....	575	57,115	220	5	250	75	3,411	625

** Arkansas gave no report

PART 5.--Estimates of Numbers on National Wildlife Refuges, 1964

STATE	MOOSE	ELK	WHITE-TAILED DEER	MULE DEER	BLACK BEAR	PRONGHORN ANTELOPE	BIGHORN SHEEP	MOUNTAIN COAT	AMERICAN BISON	PECCARY
Alabama.....	155	.....	.....	.....	.....	...	.....	...
Alaska 1/.....	9,000	.....	.....	.....	600	.....	.....	125	.....	...
Arizona.....	690	.....	60	625	...	.....	150
Arkansas.....	6,035	.....	54	.....	.....	.....	.....	.....
California.....	820	.....	330	.....	.....	.....	.....
Colorado.....	2	.....	12	.....	.....	.....	.....	.....	.....
Delaware.....	113	.....	.....	.....	.....	.....	.....	.....
Florida 2/.....	390	.....	15	.....	.....	.....	.....	.....
Georgia.....	2,090	.....	130	.....	.....	.....	.....	.....
Idaho.....	240	.....	104	.....	.....	.....	.....
Illinois.....	4,041	.....	.....	.....	.....	.....	.....	.....
Iowa.....	40	.....	.....	.....	.....	.....	.....	.....
Kansas.....	150	.....	.....	.....	.....	.....	.....	.....
Kentucky 3/.....	825	.....	.....	.....	.....	.....	.....	.....
Louisiana.....	470	.....	.....	.....	.....	.....	.....	.....
Maine.....	575	.....	25	.....	.....	.....	.....	.....
Maryland.....	150	.....	.....	.....	.....	.....	.....	.....
Massachusetts..	38	.....	.....	.....	.....	.....	.....	.....
Michigan.....	2,850	.....	12	.....	.....	.....	.....	.....
Minnesota.....	144	.....	3,678	.....	20	.....	.....	.....	.....	.....
Mississippi.....	3,750	.....	.....	.....	.....	.....	.....	.....
Missouri.....	950	.....	.....	.....	.....	.....	.....	.....
Montana.....	30	544	800	3,893	.....	2,285	90	4	489	.....
Nebraska.....	45	455	459	.....	81	.....	.....	234	.....
Nevada.....	150	.....	2,120	.....	1,437	1,200	.....	.....	.....
New Jersey.....	128	.....	.....	.....	.....	.....	.....	.....
New Mexico.....	1,314	.....	4	175	.....	.....	.....
New York.....	395	.....	.....	.....	.....	.....	.....	.....
North Carolina..	1,090	.....	35	.....	.....	.....	.....	.....
North Dakota...	18	1,590	24	.....	248	.....	.....	34	.....
Ohio.....	20	.....	.....	.....	.....	.....	.....	.....
Oklahoma 4/.....	328	5,453	.....	.....	.....	.....	.....	1,238	.....
Oregon 5/.....	1,615	.....	675	130	.....	.....	.....
Pennsylvania...	168	.....	.....	.....	.....	.....	.....	.....
South Carolina..	2,115	.....	.....	.....	.....	.....	.....	.....
South Dakota...	577	25	.....	.....	.....	.....	.....	.....
Tennessee.....	391	.....	.....	.....	.....	.....	.....	.....
Texas.....	12,060	.....	.....	.....	.....	.....	.....	394
Utah.....	400	.....	25	.....	.....	.....	.....
Vermont.....	80	.....	.....	.....	.....	.....	.....	.....
Virginia 6/.....	144	.....	.....	.....	.....	.....	.....	.....
Washington 7/..	23	2,200	100	110	.....	.....	.....	.....	.....
Wisconsin.....	3,350	.....	4	.....	.....	.....	.....	.....
Wyoming.....	30	8,000	.....	261	.....	3,016	.....	.....	.....	.....
TOTAL.....	9,204	9,110	57,316	11,973	1,005	8,265	2,220	129	1,995	544

1/ Also 1,820 Alaska brown bear, 1,887 caribou, 26,300 reindeer
1,030 Dall sheep, 390 Sitka deer, and 467 musk oxen
2/ Florida - 350 Key deer

3/ Kentucky - 750 Fallow deer
4/ Oklahoma - 349 Fallow deer
5/ Oregon - 20 Black-tailed deer

6/ Virginia - 1,400 Sika deer
7/ Washington - 450 black-tailed deer.

PART 6.--Estimates of Numbers in Areas Administered by the National Park Service, 1964

[Estimate of population trend: L, less; M, more; S, same. Estimate of relative abundance: A, abundant; C, common; R, rare; I, infrequent (transient through area)]

NATIONAL PARKS:

Black Bear: Bryce Canyon I; Crater Lake 25M; Everglades R-M; Clacier 180L; Grand Canyon I-S; Grand Teton 100S; Great Smoky Mts. 190S; Lassen Volcanic 20S; Mt. McKinley I; Mt. Rainier 75S; Olympic C-S; Rocky Mountain 30M; Sequoia-Kings C-M; Shenandoah 150M; Yellowstone 500S; Yosemite C-S; Zion I. **Crizzly Bear:** Clacier 95M; Grand Teton I-S; Mt. McKinley 200; Yellowstone 200S. **Peccary:** Big Bend 3,500S.
Elk: Bryce Canyon I; Carlsbad Caverns 8S; Crater Lake 25M; Clacier 1,800L; Grand Teton 2,800S; Mt. Rainier 300S; Olympic A-S; Rocky Mountain 1,000M; Wind Cave 244S; Yellowstone 13,000M; Zion I. **Mule Deer:** Big Bend 3,000M; Bryce Canyon A; Canyonlands 350; Carlsbad Caverns 1,600M; Crater Lake 770S; Glacier 600S; Grand Canyon 1,000L; Grand Teton 175S; Lassen Volcanic 1,100S; Mt. Rainier 310S; Olympic C-M; Rocky Mountain 600M; Sequoia-Kings A-S; Wind Cave 75S; Yellowstone C-M; Yosemite A-S; Zion C-S. **White-tailed deer:** Acadia 900M; Big Bend 500S; Everglades C-S; Clacier 430S; Great Smoky Mts. 260M; Mammoth Cave 2,000L; Platt 5S; Shenandoah 800S; Virgin Island R-L; Wind Cave I-S.
Moose: Clacier 125M; Grand Teton 260S; Isle Royal 680S; Mt. McKinley C; Yellowstone 450S. **Pronghorn Antelope:** Big Bend 30M; Carlsbad Caverns I-S; Grand Canyon I; Grand Teton I-S; Petrified Forest 30S; Wind Cave 242M; Yellowstone 300S. **American Bison:** Grand Teton 19M; Platt 4L; Wind Cave 254M; Yellowstone 500M. **Mountain Goat:** Clacier 650-S; Mt. McKinley I; Mt. Rainier 350S; Olympic C-S. **Bighorn Sheep:** Canyonlands 60; Clacier 150M; Grand Canyon 150S; Grand Teton 40S; Mt. McKinley 3,500; Rocky Mountain 240S; Sequoia-Kings R-S; Yellowstone 300S.

NATIONAL MONUMENTS, NATIONAL RECREATION AREAS AND PARKWAYS:

Black Bear: Bandelier 18M; Black Canyon 2S; Chiricahua I-S; Colorado I; Coronado I-S; Devil's Postpile I-S; Clacier Bay 400S; Great Sand Dunes 5S; Blue Ridge 65S; Coulee Dam 15L; Fort Clatsop 2S; Mesa Verde R-L; Saguaro R; Walnut Canyon I-M; Whiskeytown C. **Crizzly Bear:** Clacier Bay 150S. **Peccary:** Chiricahua 40S; Coronado 20M; Organ Pipe 125S; Saguaro C-S; Tonto 6S. **Elk:** Bandelier I-S; Black Canyon R-S; Blue Ridge 51M; Colorado 20S; Craters of the Moon R-L; Dinosaur I-S; Fort Clatsop 36L; Great Sand Dunes 10S; Mt. Rushmore R-S; Walnut Canyon I-S.
Deer: Both whitetail and mule (including blacktail) deer populations in the 47 reporting areas remain about the same. **Moose:** Clacier Bay 25M. **Pronghorn Antelope:** Badlands 150M; Chaco Canyon I-S; Craters of the Moon 15S; Dinosaur I-S; Great Sand Dunes 55M; Lava Beds 10S; Organ Pipe Cactus 15L; T. Roosevelt 200S; Walnut Canyon 8L. **American Bison:** Badlands 56; Colorado 13S; T. Roosevelt 159M. **Mountain Goat:** Clacier Bay 1,200S; Mt. Rushmore 12S. **Bighorn Sheep:** Badlands 21; Black Canyon R-L; Death Valley 750; Dinosaur C-S; Glen Canyon R; Grand Canyon 50S; Great Sand Dunes 25S; Joshua Tree 150S; Lake Mead 220; Mesa Verde 85S; Organ Pipe Cactus 50S; T. Roosevelt 7S.